

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A fiber optic patch kit for patching a fiber optic cable having a first end and a second end, the kit comprising:

a fiber optic patch having first and second ends,

a first mechanical fiber optic splicer adapted to be coupled with the first end of the fiber optic cable and the first end of the fiber optic patch;

a second mechanical fiber optic splicer adapted to be coupled with the second end of the fiber optic cable and the second end of the fiber optic patch; and

a water-tight splice housing having a first end with an opening formed therein to allow the first end of the fiber optic cable to extend into an internal cavity of the water-tight splice housing and a second end with an opening formed therein to allow the second end of the fiber optic cable to extend into the internal cavity of the water-tight splice housing, wherein ~~defining an internal cavity,~~ the internal cavity ~~being~~ is adapted to receive the first and second mechanical fiber optic splicers, the fiber optic patch, and the first and second ends of the fiber optic cable.

2. (Previously Presented) The fiber optic patch kit of claim 1, further comprising a protective housing defining an internal cavity, the internal cavity being adapted to receive the water-tight splice housing.

3. (Previously Presented) The fiber optic patch kit of claim 1, further comprising a splice tray adapted to be removably disposed within the internal cavity of the water-tight splice housing.

4. (Previously Presented) The fiber optic patch kit of claim 1, wherein the water-tight splice housing comprises:

a base having first and second ends;

a top adapted to be coupled with the base, the top having first and second ends;
a first end plate adapted to be coupled with the first ends of the top and base; and
a second end plate adapted to be coupled with the second ends of the top and base.

5. (Original) The fiber optic patch kit of claim 1, wherein the fiber optic patch comprises an individual optical fiber.

6. (Original) The fiber optic patch kit of claim 1, wherein the fiber optic patch comprises a plurality of optical fibers.

7. (Original) The fiber optic patch kit of claim 1, wherein the fiber optic patch comprises a fiber optic ribbon.

8. (Currently Amended) A method for patching a fiber optic cable having a first end and a second end, the method comprising:

- (a) creating a first angle cleave at the first end of the fiber optic cable;
- (b) creating a second angle cleave at the second end of the fiber optic cable;
- (c) mechanically splicing the first end of the fiber optic cable to a first end of a fiber optic patch;
- (d) mechanically splicing the second end of the fiber optic cable to a second end of the fiber optic patch; and
- (e) enclosing the fiber optic patch and portions of the first and second ends of the fiber optic cable within an internal cavity of a single water-tight splice housing such that the first end of the fiber optic cable extends through a first end of the water-tight splice housing and into the internal cavity of the water-tight splice housing and the second end of the fiber optic cable extends through a second end of the water-tight splice housing and into the internal cavity of the water-tight splice housing.

9. (Previously Presented) The method of claim 8, wherein (a) and (b) comprise creating 45 degree angle cleaves.

10. (Previously Presented) The method of claim 8 wherein (c) and (d) comprise splicing the fiber optic cable and the fiber optic patch using mechanical fiber optic splicers.

11. (Original) The method of claim 8, further comprising preparing the fiber optic cable prior to creating the angle cleaves.

12. (Original) The method of claim 10 further comprising disposing the mechanical splicers in a splice tray.

13. (Cancelled)

14. (Previously Presented) The method of claim 8, further comprising enclosing the water-tight splice housing within an internal cavity of a protective housing.

15. (Previously Presented) The method of claim 8 wherein (e) further comprises creating an air-tight seal within the internal cavity of the water-tight splice housing.

16. (Previously Presented) The method of claim 8, further comprising disposing at least a portion of the fiber optic patch in a splice tray.

17. (Currently Amended) A method for patching a fiber optic cable that is buried underground and that has a first end and a second end, the method comprising:

- (a) excavating the first and second ends of the fiber optic cable;
- (b) mechanically splicing the first end of the fiber optic cable to a first end of a fiber optic patch;
- (c) mechanically splicing the second end of the fiber optic cable to a second end of the fiber optic patch; and

(d) enclosing the fiber optic patch and portions of the first and second ends of the fiber optic cable within an internal cavity of a single splice housing such that the first end of the fiber optic cable extends through a first end of the splice housing and into the internal cavity of the splice housing and the second end of the fiber optic cable extends through a second end of the splice housing and into the internal cavity of the splice housing.

18. (Previously Presented) The method of claim 17, further comprising creating a first angle cleave at the first end of the fiber optic cable prior to (b) and creating a second angle cleave at the second end of the fiber optic cable prior to (c).

19. (Previously Presented) The method of claim 17, wherein (d) comprises enclosing the fiber optic patch and portions of the first and second ends of the fiber optic cable within an internal cavity of a water-tight splice housing.

20. (Previously Presented) The method of claim 17, further comprising enclosing the splice housing within an internal cavity of a protective housing.

21. (Previously Presented) The method of claim 17, further comprising burying the splice housing after (d).